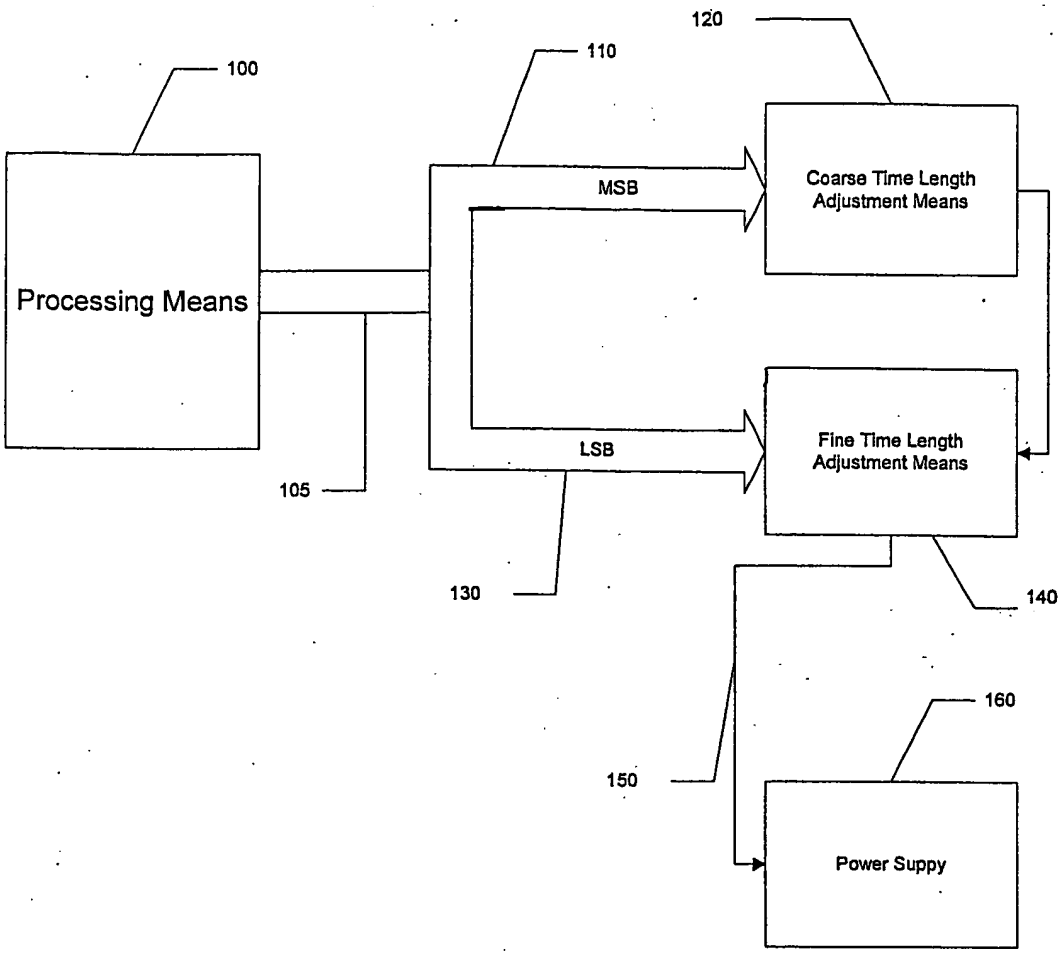

100
110
120
Processing Means
MSB
Coarse Time Length Adjustment Means
LSB
Fine Time Length Adjustment Means
105
130
140
150
160
Power Suppy

Fig. 1

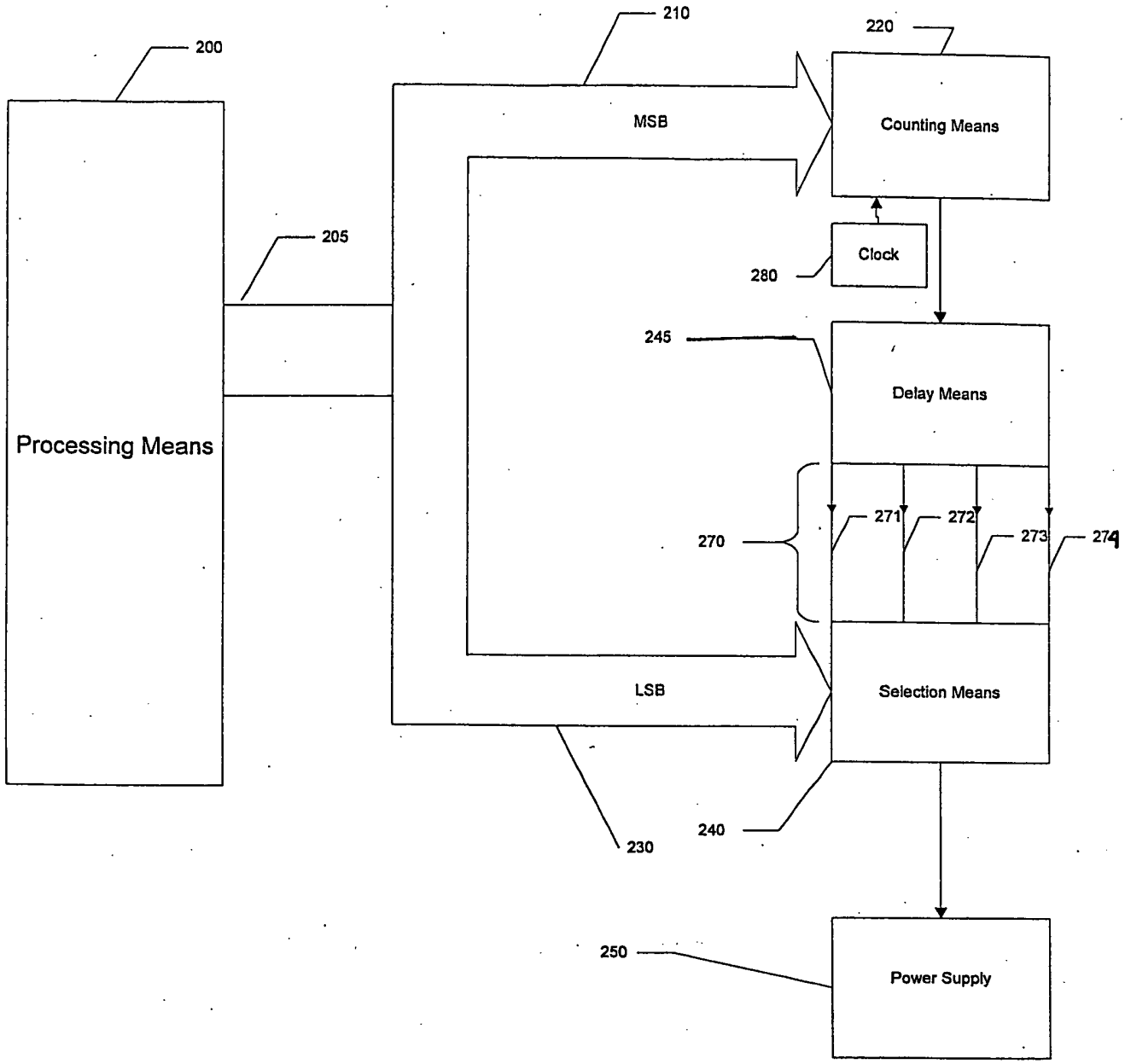
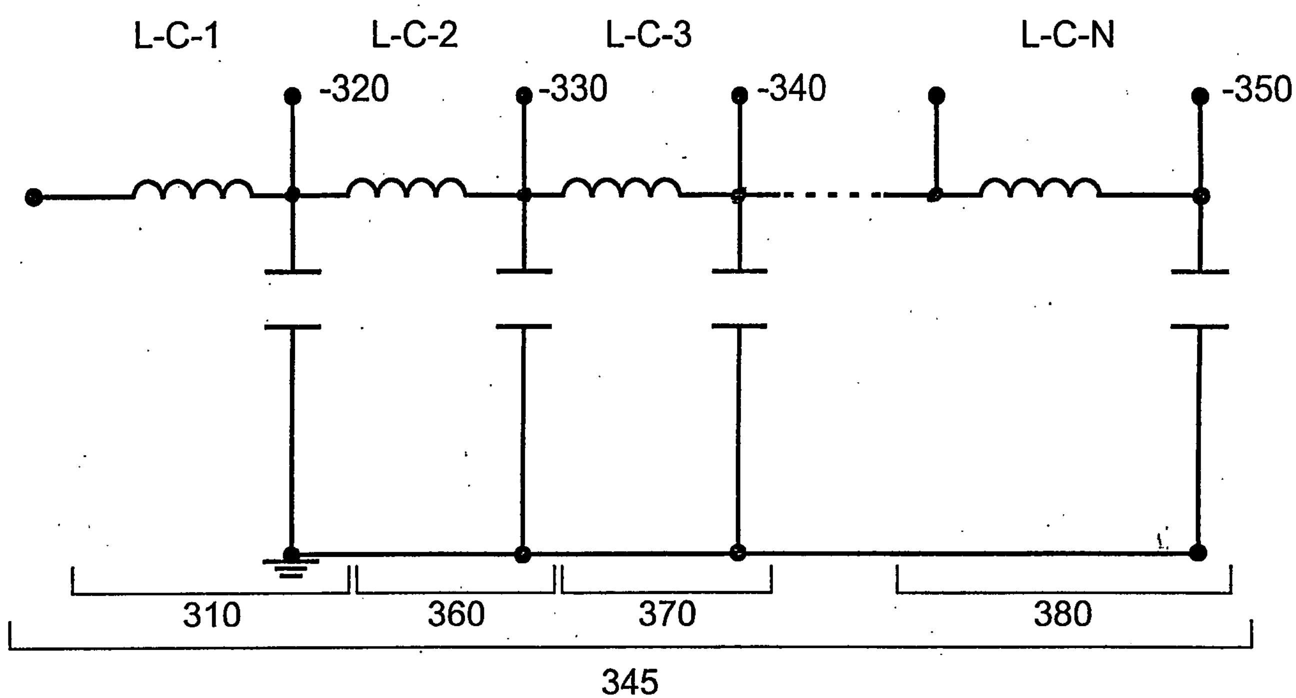

200
210
220
Processing Means
MSB
Counting Means
205
Clock
280
245
Delay Means
271
272
273
274
270
LSB
Selection Means
230
240
250
Power Supply

Fig. 2

09632180.060300

Fig. 3



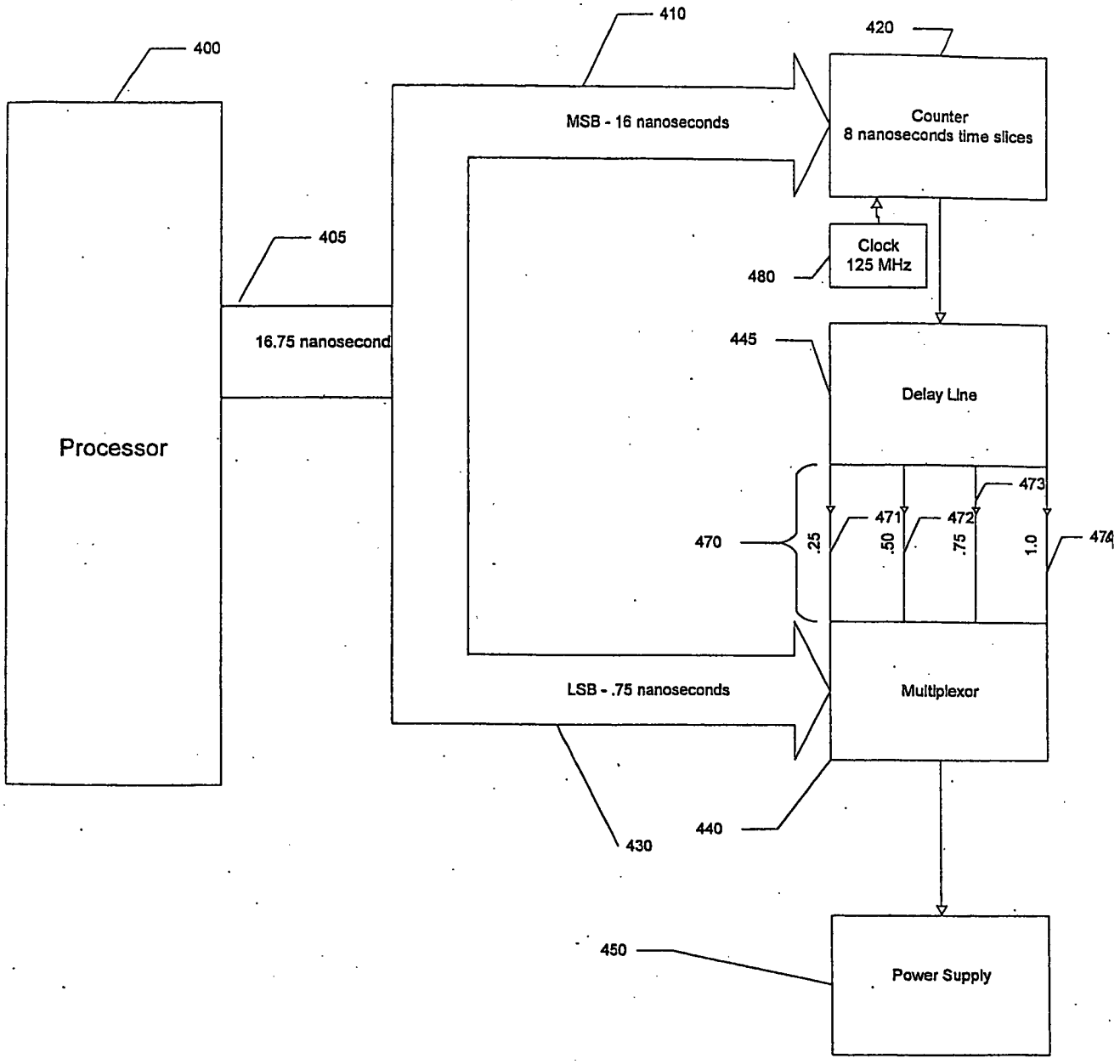

400
410
420
Processor
MSB - 16 nanoseconds
Counter
8 nanoseconds time slices
405
16.75 nanosecond
Clock
125 MHz
480
445
Delay Line
473
471
472
470
.25
.50
.75
1.0
474
LSB - .75 nanoseconds
Multiplexor
440
430
450
Power Supply

Fig. 4

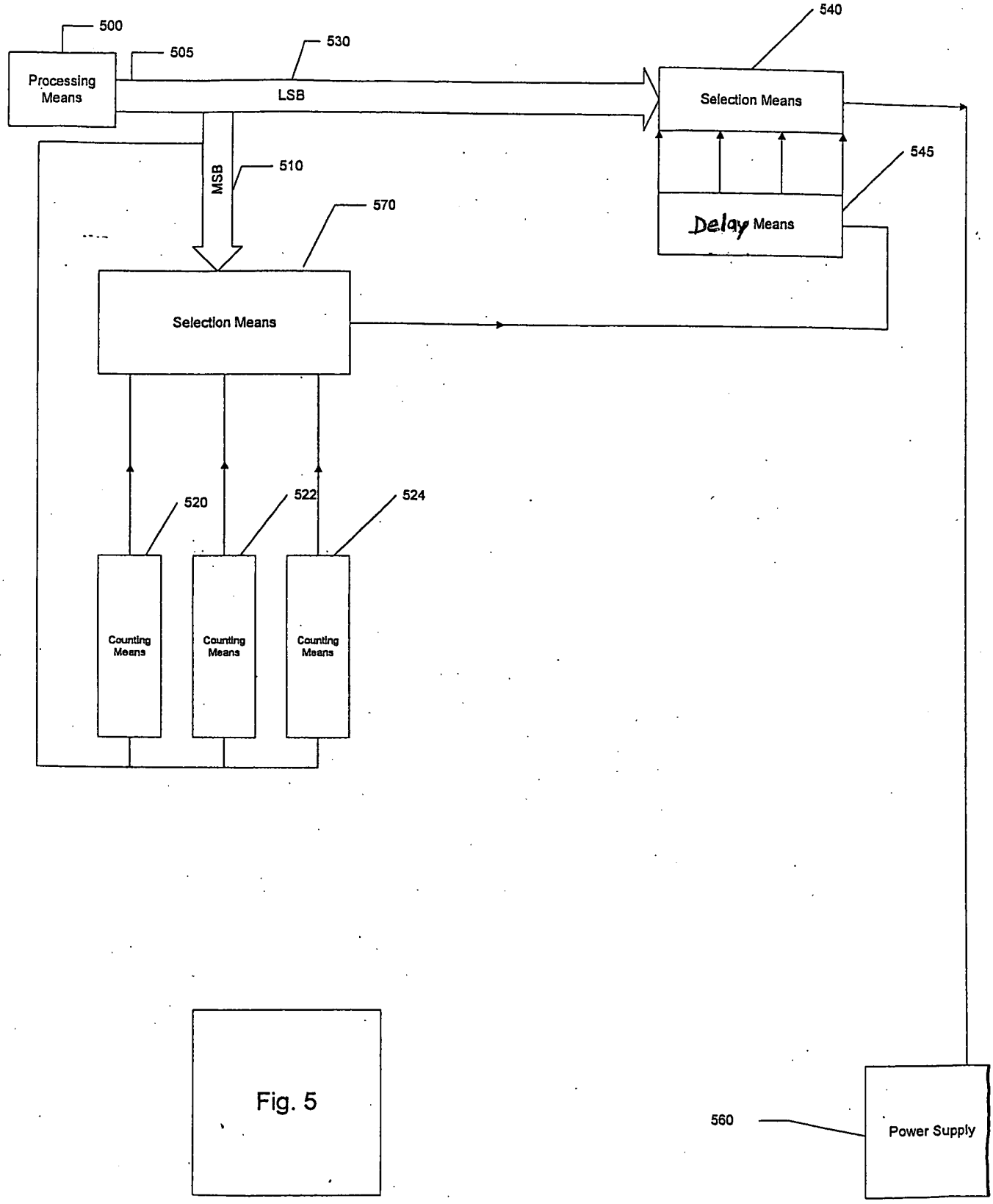

500
505
530
540
Processing Means
LSB
Selection Means
MSB
510
545
570
Delay Means
Selection Means
520
522
524
Counting Means
Counting Means
Counting Means
560
Power Supply

Fig. 5

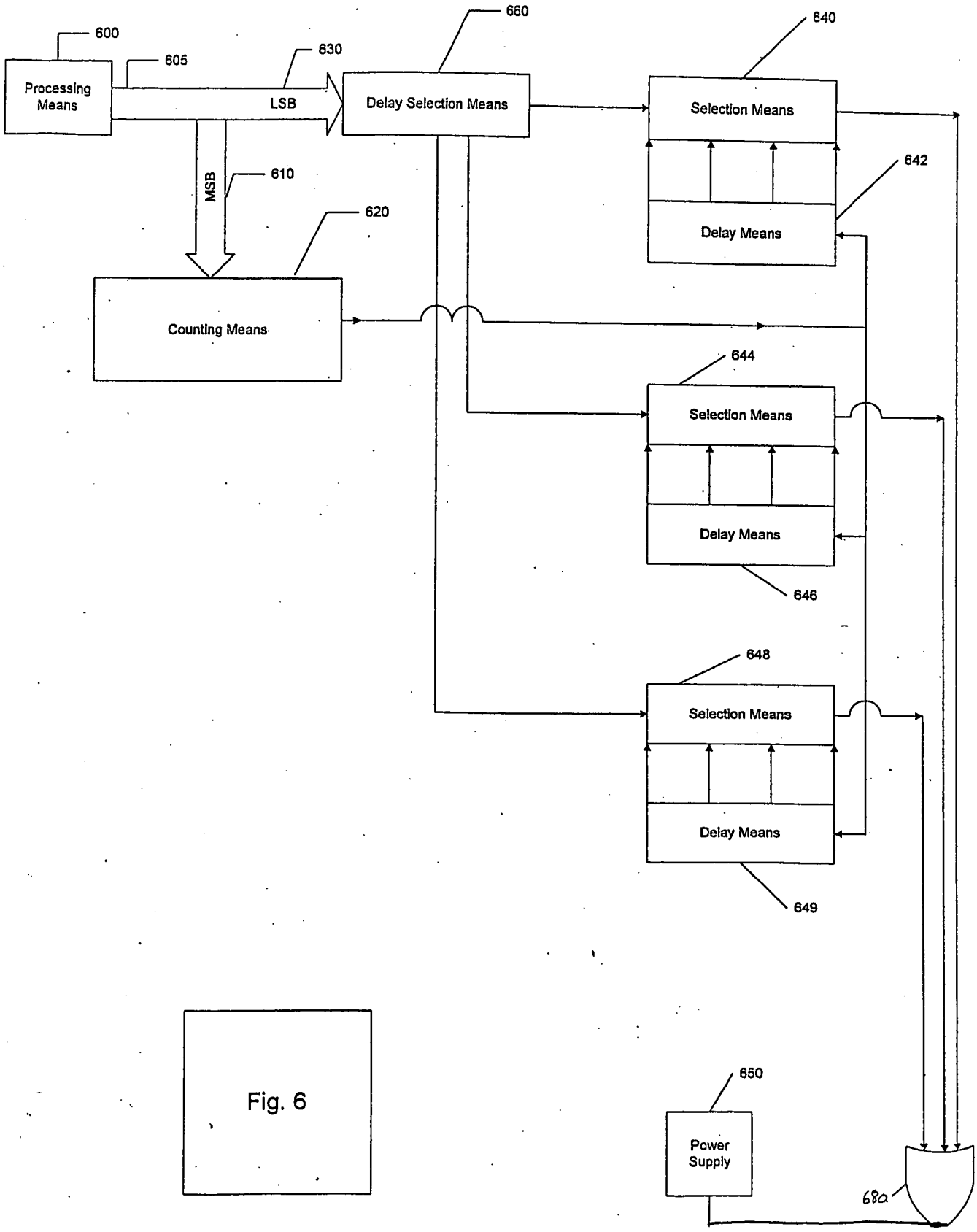

600
605
630
660
640
Processing Means
LSB
Delay Selection Means
Selection Means
642
MSB
610
620
Delay Means
Counting Means
644
Selection Means
Delay Means
646
648
Selection Means
Delay Means
649
650
Power Supply
68a

Fig. 6

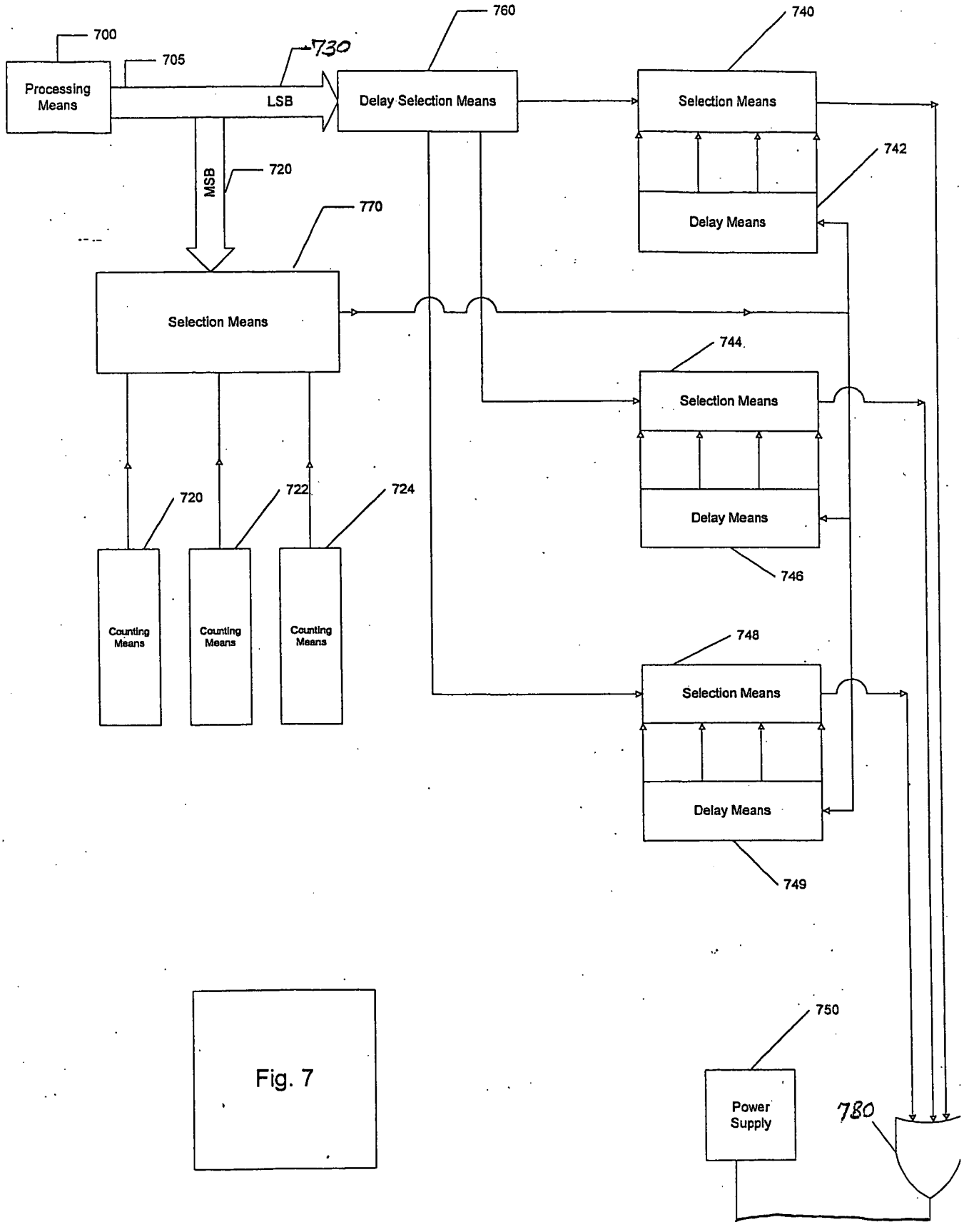

700
705
730
760
740
Processing Means
LSB
Delay Selection Means
Selection Means
742
MSB
720
770
Delay Means
Selection Means
744
Selection Means
720
722
724
Delay Means
746
Counting Means
Counting Means
Counting Means
748
Selection Means
Delay Means
749
750
Power Supply
780

Fig. 7

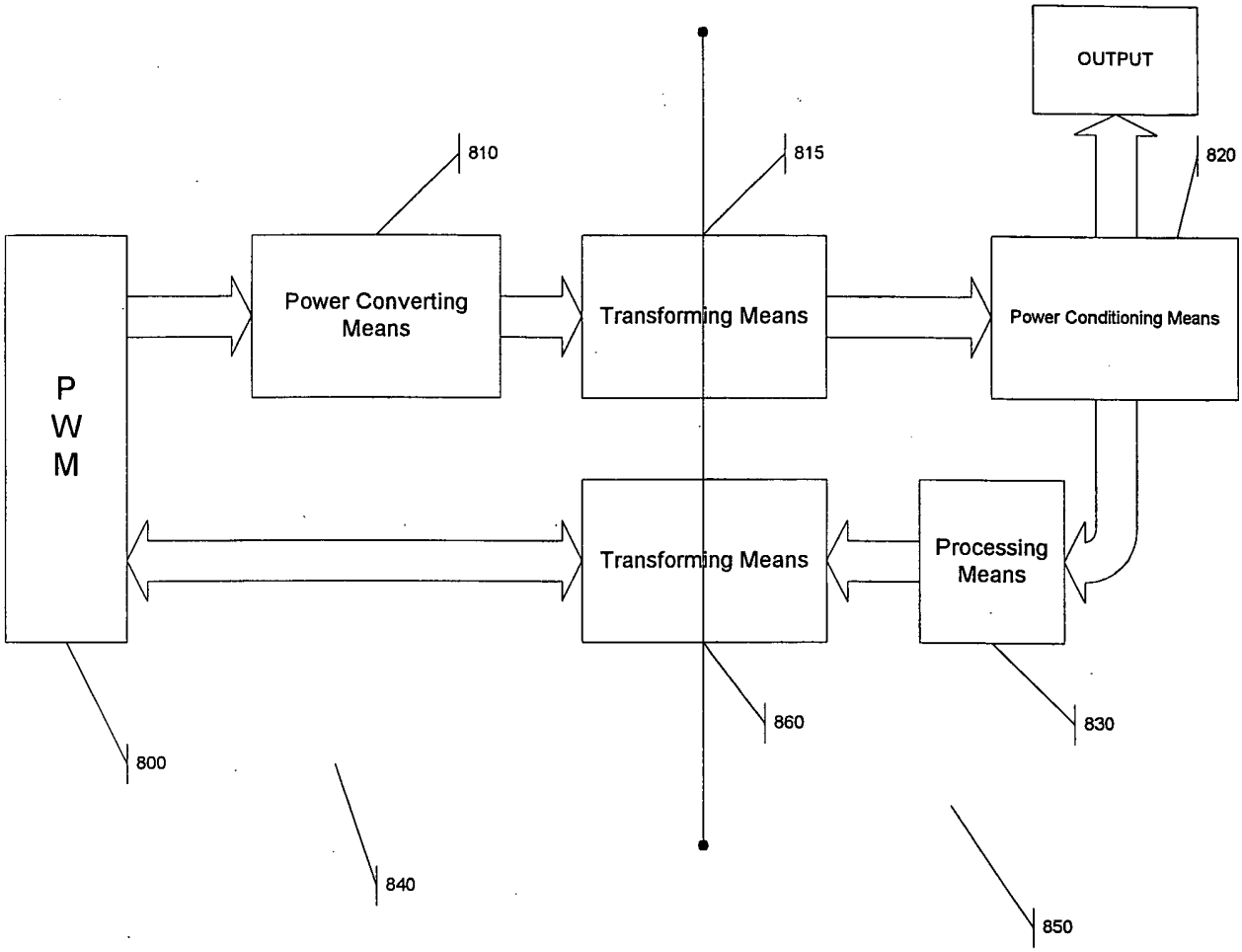

OUTPUT
810
815
820
P
W
M
Power Converting Means
Transforming Means
Power Conditioning Means
Transforming Means
Processing Means
800
860
830
840
850

FIG. 8

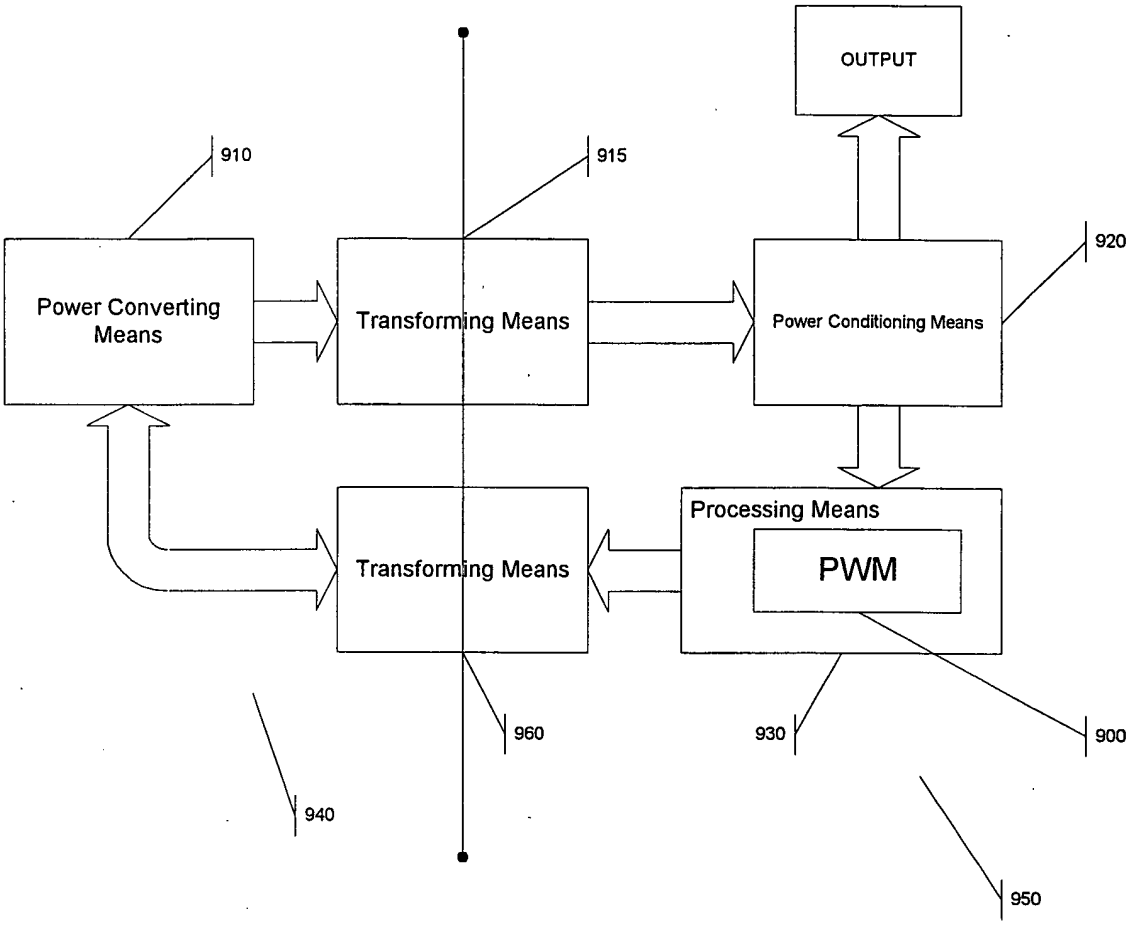

OUTPUT
910
915
920
Power Converting Means
Transforming Means
Power Conditioning Means
Processing Means
PWM
Transforming Means
960
930
900
940
950

FIG. 9